

**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371**

ATTORNEY'S DOCKET NUMBER

AK-N-508XX

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

**10/549429**

INTERNATIONAL APPLICATION NO.

PCT/JP2005/003550

INTERNATIONAL FILING DATE

24 February 2005

PRIORITY DATE CLAIMED

25 February 2004

TITLE OF INVENTION

METHOD FOR MELTING METALLIC RAW MATERIAL IN METAL MOLDING APPARATUS

APPLICANT(S) FOR DO/EO/US

Kyoto Takizawa, Toshiyasu Koda, Mamoru Miyagawa, Kazuo Anzai, Koji Takei, Ikuo Uwadaira, Ko Yamazaki

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. ☒ This express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☒ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☒ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☒ is attached hereto.
  - b. ☐ had been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a. ☐ are attached herewith (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☒ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11 to 20 below concern document(s) or information included:

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A preliminary amendment.
14. ☐ An Application Data Sheet under 37 CFR 1.76.
15. ☐ A substitute specification.
16. ☐ A power of attorney and/or change of address letter.
17. ☐ A computer readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.
18. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information: **4 sheets FORMAL DRAWINGS (Figs. 1-6)**

U.S. APPLICATION NO. <b>10/349429</b> <small>(If known, see 37 CFR 1.5)</small>		INTERNATIONAL APPLICATION NO <b>PCT/JP2005/003550</b>		ATTORNEY'S DOCKET NUMBER <b>AK-N-508XX</b>		
The following fees have been submitted:				<b>CALCULATIONS</b> <b>PTO USE ONLY</b>		
21. <input checked="" type="checkbox"/> Basic national fee..... <b>\$300.00</b>				<b>\$300.00</b>		
22. <input checked="" type="checkbox"/> Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4) ..... <b>\$100.00</b> All other situations ..... <b>\$200.00</b>				<b>\$200.00</b>		
23. <input checked="" type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority ..... <b>\$100.00</b> International Search Report prepared and provided to the Office..... <b>\$400.00</b> All other situations..... <b>\$500.00</b>				<b>\$500.00</b>		
<b>TOTAL OF 21, 22 and 23 =</b>				<b>\$1,000.00</b>		
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250.00 for each additional 50 sheets of paper or fraction thereof.						
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE			
- 100 =	/ 50 =		X \$250.00	\$0		
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)).				\$0		
CLAIMS		NUMBER FILED	NUMBER EXTRA	RATE		
Total claims		21 - 20 =	1	X \$ 50.00	\$ 50.00	
Independent claims		1 - 3 =	0	X \$200.00	\$0	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ \$360.00	\$360.00	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$1,410.00</b>		
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.				-		
<b>SUBTOTAL =</b>				<b>\$1,410.00</b>		
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				\$0		
<b>TOTAL NATIONAL FEE =</b>				<b>\$1,410.00</b>		
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$		
<b>TOTAL FEES ENCLOSED =</b>				<b>\$1,410.00</b>		
				Amount to be Refunded: \$		
				Amount to be Charged: \$		
a. <input checked="" type="checkbox"/> A check in the amount of \$ 1,410.00 to cover the above fees, except assignment recordation, is enclosed. A check in the amount of \$ _____ is enclosed for the assignment recordation fee.  b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.  c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>23-0804</u> . A duplicate copy of this sheet is enclosed.  d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038.						
<b>NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.</b>						
SEND ALL CORRESPONDENCE TO:      which is associated with the Law Firm of:  <div style="display: flex; justify-content: space-between;"> <div style="width: 40%;"> <input checked="" type="checkbox"/> Customer Number 207         </div> <div style="width: 60%;">           WEINGARTEN, SCHURGIN, GAGNEBIN &amp; LEOVICI LLP            Ten Post Office Square            Boston, Massachusetts 02109            United States            Telephone: (617) 542-2290 Fax: (617) 451-0313         </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 40%;">           Attorney Signature:  </div> <div style="width: 60%;">           Date: <u>9-15-5</u> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 40%;">           Attorney Name: <u>Charles L. Gagnebin III</u> </div> <div style="width: 60%;">           Registration No: <u>25,467</u> </div> </div>						